10635342

Search for 10/635342

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	May 12	EXTEND option available in structure searching
NEWS 4	May 12	Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
NEWS 6	May 27	CAplus super roles and document types searchable in REGISTRY
NEWS 7	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 9	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
NEWS 10	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
NEWS 11	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
NEWS 12	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
NEWS 13	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
NEWS 14	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
NEWS 15	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
NEWS 16	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
NEWS 17	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
NEWS 18	SEP 01	INPADOC: New family current-awareness alert (SDI) available
NEWS 19	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS 20	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX

NEWS EXPRESS	JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 17:31:50 ON 06 SEP 2004

=> registry
REGISTRY IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file regis
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 17:32:02 ON 06 SEP 2004

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 SEP 2004 HIGHEST RN 740073-48-7
DICTIONARY FILE UPDATES: 5 SEP 2004 HIGHEST RN 740073-48-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

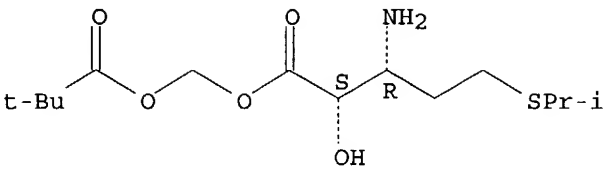
=> s 656833-53-3/rn
L1 1 656833-53-3/RN

=> d l1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN **656833-53-3** REGISTRY
CN D-threo-Pentonic acid, 3-amino-3,4-dideoxy-5-S-(1-methylethyl)-5-thio-, (2,2-dimethyl-1-oxopropoxy)methyl ester (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C14 H27 N O5 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES (Uses)

Absolute stereochemistry.

10635342



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.19	2.40

FILE 'CAPLUS' ENTERED AT 17:32:45 ON 06 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 6 Sep 2004 VOL 141 ISS 11
FILE LAST UPDATED: 5 Sep 2004 (20040905/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l1
L2 2 L1

=> d 1-2 bib abs l2

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:513345 CAPLUS
DN 141:59732
TI 3-Amino-2-hydroxyalkanoic acids and their prodrugs
IN Bamaung, Nwe Y.; Craig, Richard A.; Henkin, Jack; Kawai, Megumi; Searle, Xenia B.; Sheppard, George S.; Wang, Jieyi
PA USA
SO U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

10635342

PI US 2004122098 A1 20040624 US 2003-635342 20030806
PRAI US 2002-401317P P 20020806
OS MARPAT 141:59732
AB Compds. β-amino acid derivs. H2NCHR1CH(OH)CO2R2 [R1 = alkyl, alkylsulfanylalkyl, aryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl, (heterocycle)alkyl, hydroxyalkyl; R2 = H, alkenyl, alkyl, alkylcarbonyloxyalkyl, alkylcarbonylalkyl, aryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle, (heterocycle)alkyl] or their therapeutically-acceptable salts are useful for treating conditions which arise from or are exacerbated by angiogenesis. Also disclosed are pharmaceutical compns. comprising the compds., methods of treatment using the compds., methods of inhibiting angiogenesis, and methods of treating cancer. Thus, (2RS,3R)-3-amino-2-hydroxy-5-(methylsulfanyl)pentanoic acid was prepared

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:120817 CAPLUS
DN 140:164234
TI Preparation of 3-amino-2-hydroxyalkanoic acids and their prodrugs
IN Bamaung, Nwe Y.; Craig, Richard A.; Henkin, Jack; Kawai, Megumi; Searle, Xenia B.; Sheppard, George S.; Wang, Jieyi
PA Abbott Laboratories, USA
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004013085	A1	20040212	WO 2003-US24396	20030805
W: CA, JP, MX				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
PRAI US 2002-213655	A	20020806		

OS MARPAT 140:164234
AB β-Amino acid derivs. H2NCHR1CH(OH)CO2R2 [R1 is alkyl, alkylthioalkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocyclylalkyl, or hydroxyalkyl; R2 is H, alkenyl, alkyl, alkylcarbonyloxyalkyl, alkylcarbonylalkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, or heterocyclylalkyl] or their therapeutically-acceptable salts were prepared for use in treating conditions which arise from or are exacerbated by angiogenesis. Pharmaceutical compns. containing these compds. are used in methods for inhibiting angiogenesis and treating cancer. Thus, (2RS,3R)-3-amino-2-hydroxy-5-(methylthio)pentanoic acid was prepared from Boc-D-Met-OH (Boc = tert-butoxycarbonyl) by reduction with sodium bis(2-methoxyethoxy)aluminum hydride (Red-Al), oxidation of the formed hydroxymethyl group with sulfur trioxide pyridine complex, reaction with KCN and in situ hydrolysis of the cyanohydrin with 12 M HCl.

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	5.54	7.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-1.40	-1.40

FILE 'REGISTRY' ENTERED AT 17:33:35 ON 06 SEP 2004
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

10635342

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 5 SEP 2004 HIGHEST RN 740073-48-7
DICTIONARY FILE UPDATES: 5 SEP 2004 HIGHEST RN 740073-48-7

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

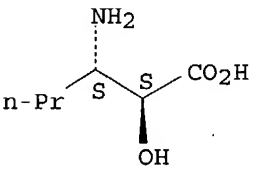
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> s 608519-99-9/rn
L3 1 608519-99-9/RN

=> d l3

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN **608519-99-9** REGISTRY
CN Hexanoic acid, 3-amino-2-hydroxy-, (2R,3R)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C6 H13 N O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

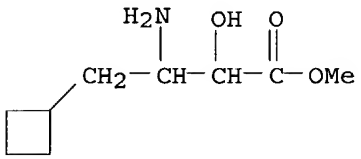
=> s 565456-76-0/rn
L4 1 565456-76-0/RN

=> d l4

L4 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN
RN **565456-76-0** REGISTRY
CN Cyclobutanebutanoic acid, β-amino-α-hydroxy-, methyl ester,

10635342

hydrochloride (9CI) (CA INDEX NAME)
MF C9 H17 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 561066-93-1/rn
L5 1 561066-93-1/RN

=> s 528872-49-3/rn
L6 1 528872-49-3/RN

=> s 420834-12-4/rn
L7 1 420834-12-4/RN

=> s 369360-56-5/rn
L8 1 369360-56-5/RN

=> s 289893-13-6/rn
L9 1 289893-13-6/RN

=> s l3 and l4 and l5 and l6 and l7 and l8 and l9
L10 0 L3 AND L4 AND L5 AND L6 AND L7 AND L8 AND L9

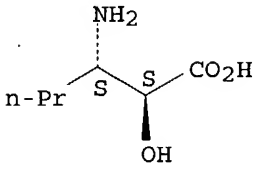
=> s l3 or l4 or l5 or l6 or l7 or l8 or l9
L11 7 L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9

=> d 1-7 l11

L11 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **608519-99-9** REGISTRY
CN Hexanoic acid, 3-amino-2-hydroxy-, (2R,3R)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C6 H13 N O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Relative stereochemistry.

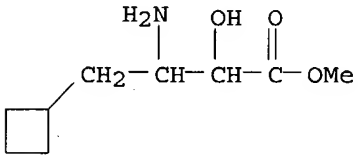
10635342



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

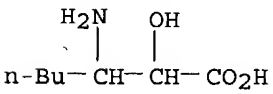
L11 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **565456-76-0** REGISTRY
CN Cyclobutanebutanoic acid, β-amino-α-hydroxy-, methyl ester, hydrochloride (9CI) (CA INDEX NAME)
MF C9 H17 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **561066-93-1** REGISTRY
CN Heptanoic acid, 3-amino-2-hydroxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C7 H15 N O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

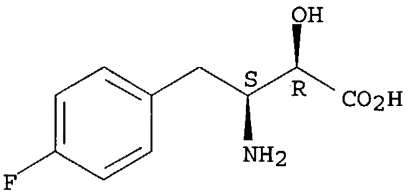


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **528872-49-3** REGISTRY
CN Benzenebutanoic acid, β-amino-4-fluoro-α-hydroxy-, hydrochloride, (αR,βS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H12 F N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.

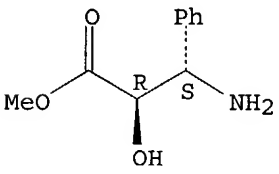


● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **420834-12-4** REGISTRY
CN Benzenepropanoic acid, β-amino-α-hydroxy-, methyl ester, hydrochloride, (αR,βS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H13 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)
CRN (157240-36-3)

Absolute stereochemistry. Rotation (-).



● HCl

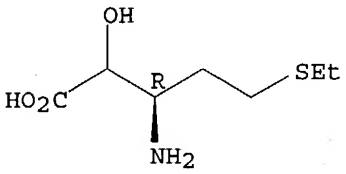
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **369360-56-5** REGISTRY
CN D-glycero-Pentonic acid, 3-amino-3,4-dideoxy-5-S-ethyl-5-thio-, (2ξ)-

10635342

(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C7 H15 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.

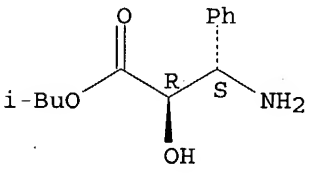


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
RN **289893-13-6** REGISTRY
CN Benzenepropanoic acid, β-amino-α-hydroxy-, 2-methylpropyl ester, hydrochloride, (αR,βS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C13 H19 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
CRN (198881-53-7)

Absolute stereochemistry.



● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s 248928-74-7/rn
L12 1 248928-74-7/RN

=> s l11 and l12
L13 0 L11 AND L12

10635342

=> s l11 or l12
L14 8 L11 OR L12

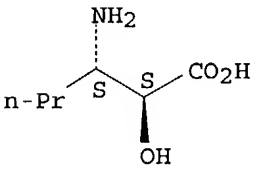
=> d 1-l14
'1-L14' IS NOT A VALID ACCESSION NUMBER

The number entered is not a valid accession number in this file.
Enter "HELP ACCESSION" at an arrow prompt (=>) for a list of valid
accession number formats in the current file.

=> d 1-8 l14

L14 ANSWER 1 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **608519-99-9** REGISTRY
CN Hexanoic acid, 3-amino-2-hydroxy-, (2R,3R)-rel- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C6 H13 N O3
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

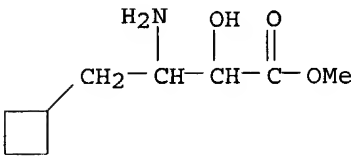
Relative stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

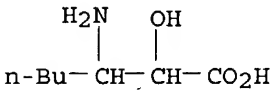
L14 ANSWER 2 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **565456-76-0** REGISTRY
CN Cyclobutanebutanoic acid, β-amino-α-hydroxy-, methyl ester,
hydrochloride (9CI) (CA INDEX NAME)
MF C9 H17 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)



● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 3 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **561066-93-1** REGISTRY
CN Heptanoic acid, 3-amino-2-hydroxy- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C7 H15 N O3
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

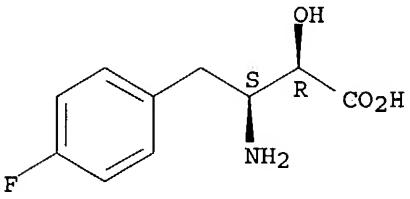


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 4 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **528872-49-3** REGISTRY
CN Benzenebutanoic acid, β-amino-4-fluoro-α-hydroxy-, hydrochloride, (αR,βS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H12 F N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



● HCl

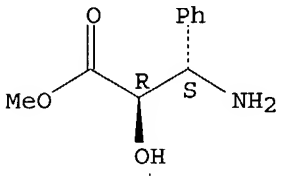
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 5 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **420834-12-4** REGISTRY
CN Benzenepropanoic acid, β-amino-α-hydroxy-, methyl ester, hydrochloride, (αR,βS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C10 H13 N O3 . Cl H
SR CA

10635342

LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)
CRN (157240-36-3)

Absolute stereochemistry. Rotation (-).

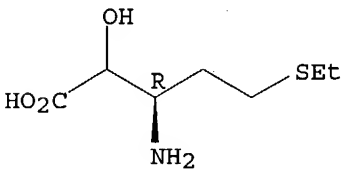


● HCl

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 6 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **369360-56-5** REGISTRY
CN D-glycero-Pentonic acid, 3-amino-3,4-dideoxy-5-S-ethyl-5-thio-, (2ξ)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C7 H15 N O3 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL
DT.CA CAplus document type: Journal; Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

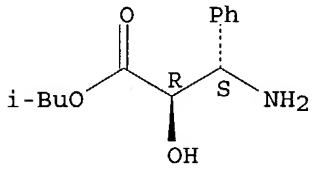
5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 7 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **289893-13-6** REGISTRY
CN Benzenepropanoic acid, β-amino-α-hydroxy-, 2-methylpropyl ester, hydrochloride, (αR,βS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C13 H19 N O3 . Cl H
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)

10635342

CRN (198881-53-7)

Absolute stereochemistry.

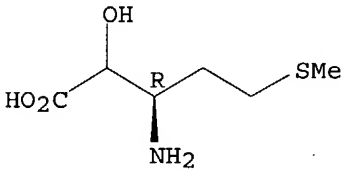


● HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L14 ANSWER 8 OF 8 REGISTRY COPYRIGHT 2004 ACS on STN
RN **248928-74-7** REGISTRY
CN D-glycero-Pentonic acid, 3-amino-3,4-dideoxy-5-S-methyl-5-thio-, (2ξ)-
(9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C6 H13 N O3 S
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
DT.CA CAplus document type: Patent
RL.P Roles from patents: BIOL (Biological study); PREP (Preparation); USES
(Uses)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	33.87	41.81

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.40

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10635342

FILE COVERS 1907 - 6 Sep 2004 VOL 141 ISS 11
FILE LAST UPDATED: 5 Sep 2004 (20040905/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l14
L15 14 L14

=> d 1-14 bib abs l15

L15 ANSWER 1 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:513345 CAPLUS
DN 141:59732
TI 3-Amino-2-hydroxyalkanoic acids and their prodrugs
IN Bamaung, Nwe Y.; Craig, Richard A.; Henkin, Jack; Kawai, Megumi; Searle, Xenia B.; Sheppard, George S.; Wang, Jieyi
PA USA
SO U.S. Pat. Appl. Publ., 17 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2004122098	A1	20040624	US 2003-635342	20030806
PRAI US 2002-401317P	P	20020806		

OS MARPAT 141:59732
AB Compds. β-amino acid derivs. H2NCHR1CH(OH)CO2R2 [R1 = alkyl, alkylsulfanylalkyl, aryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl, (heterocycle)alkyl, hydroxyalkyl; R2 = H, alkenyl, alkyl, alkylcarbonyloxyalkyl, alkylcarbonylalkyl, aryl, arylalkyl, cycloalkyl, (cycloalkyl)alkyl, heterocycle, (heterocycle)alkyl] or their therapeutically-acceptable salts are useful for treating conditions which arise from or are exacerbated by angiogenesis. Also disclosed are pharmaceutical compns. comprising the compds., methods of treatment using the compds., methods of inhibiting angiogenesis, and methods of treating cancer. Thus, (2RS,3R)-3-amino-2-hydroxy-5-(methylsulfanyl)pentanoic acid was prepared

L15 ANSWER 2 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:120817 CAPLUS
DN 140:164284
TI Preparation of 3-amino-2-hydroxyalkanoic acids and their prodrugs
IN Bamaung, Nwe Y.; Craig, Richard A.; Henkin, Jack; Kawai, Megumi; Searle, Xenia B.; Sheppard, George S.; Wang, Jieyi
PA Abbott Laboratories, USA
SO PCT Int. Appl., 44 pp.
CODEN: PIXXD2
DT Patent

10635342

LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004013085	A1	20040212	WO 2003-US24396	20030805
W: CA, JP, MX				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR				
PRAI US 2002-213655	A	20020806		

OS MARPAT 140:164234
AB β-Amino acid derivs. H2NCHR1CH(OH)CO2R2 [R1 is alkyl, alkylthioalkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocyclylalkyl, or hydroxyalkyl; R2 is H, alkenyl, alkyl, alkylcarbonyloxyalkyl, alkylcarbonylalkyl, aryl, arylalkyl, cycloalkyl, cycloalkylalkyl, heterocyclyl, or heterocyclylalkyl] or their therapeutically-acceptable salts were prepared for use in treating conditions which arise from or are exacerbated by angiogenesis. Pharmaceutical compns. containing these compds. are used in methods for inhibiting angiogenesis and treating cancer. Thus, (2RS,3R)-3-amino-2-hydroxy-5-(methylthio)pentanoic acid was prepared from Boc-D-Met-OH (Boc = tert-butoxycarbonyl) by reduction with sodium bis(2-methoxyethoxy)aluminum hydride (Red-Al), oxidation of the formed hydroxymethyl group with sulfur trioxide pyridine complex, reaction with KCN and in situ hydrolysis of the cyanohydrin with 12 M HCl.

L15 ANSWER 3 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2004:73161 CAPLUS
DN 140:375319
TI Synthesis and antifeedant properties of N-acylphenylisoserinates of Lactarius sesquiterpenoid alcohols
AU Kopczacki, P.; Gumulka, M.; Masnyk, M.; Sarosiek, A.; Barycki, R.; Ignacak, W.; Zochowski, S.; Grabarczyk, H.; Nowak, G.; Daniewski, W. M.
CS Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, 01-224, Pol.
SO Polish Journal of Chemistry (2004), 78(1), 89-108
CODEN: PJCHDQ; ISSN: 0137-5083
PB Polish Chemical Society
DT Journal
LA English
AB The esterification of various sesquiterpenoid alcs. of Lactarius origin with N-benzoyl-[2R,3S]-phenylisoserine (side chain of Taxol), N-acetyl-[2R,3S]-phenylisoserine and N-tert-butoxy-[2R,3S]-phenylisoserine (side chain of Taxotere) produced compds. whose antifeedant properties against storage pests Tribolium confusum, Trogoderma granarium, Sitophylus granarius and Rhizoperta dominica were measured. The introduction of the ester moiety in these mols., in comparison to original compds., moderately enhanced their antifeedant activities, as well as changed their selectivity of activity towards the test insects.
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:617644 CAPLUS
DN 139:292461
TI First One-Pot Copper-Catalyzed Synthesis of α-Hydroxy-β-Amino Acids in Water. A New Protocol for Preparation of Optically Active Norstatines
AU Fringuelli, Francesco; Pizzo, Ferdinando; Rucci, Mauro; Vaccaro, Luigi
CS Dipartimento di Chimica, Universita di Perugia, Perugia, 06123, Italy
SO Journal of Organic Chemistry (2003), 68(18), 7041-7045
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal

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LA English
OS CASREACT 139:292461
AB α-Hydroxy-β-amino acids were synthesized with excellent yields for the first time in water and by a simple procedure using a copper catalyst. This procedure allows water to be the only reaction medium and the catalyst to be reused.
RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:591172 CAPLUS
DN 139:133841
TI Preparation of proline compounds as NS3-serine protease inhibitors for use in treatment of hepatitis C virus infection
IN Arasappan, Ashok; Bennett, Frank; Bogen, Stephane L.; Chen, Kevin X.; Jao, Edwin; Liu, Yi-tsung; Lovey, Raymond G.; Madison, Vincent S.; Nair, Latha G.; Njoroge, F. George; Saksena, Anil K.; Sannigrahi, Mousumi; Venkatraman, Srikanth; Girijavallabhan, Viyyoor M.
PA Schering Corporation, USA
SO PCT Int. Appl., 86 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003062228	A1	20030731	WO 2003-US1752	20030121
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SC, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UZ, VC, VN, YU, ZA, ZM, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2003207861	A1	20031106	US 2003-348094	20030121
PRAI	US 2002-350931P	P	20020123		

OS MARPAT 139:133841
GI

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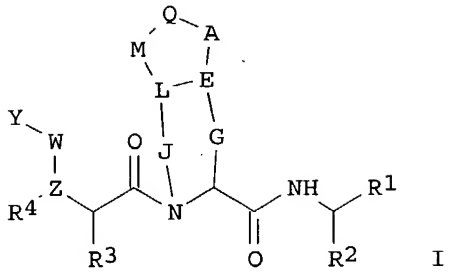

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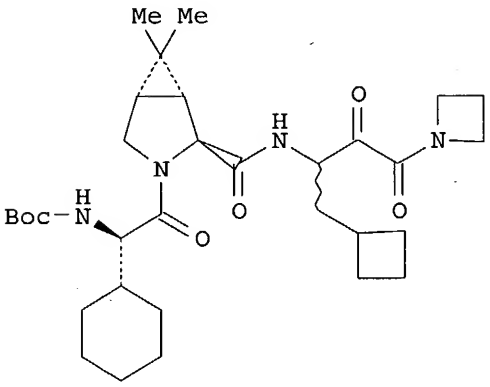

II

AB The invention discloses novel peptides I [Y is alkyl, alkylaryl, heteroalkyl, heteroaryl, aryl- or alkylheteroaryl, cycloalkyl, alkyloxy, alkylaryloxy, aryloxy, heteroaryloxy, heterocycloalkyloxy, cycloalkyloxy, alkylamino, arylamino, alkylarylamino, arylamino, heteroarylamino, cycloalkylamino, or heterocycloalkylamino; R1 is (un)substituted 1-aziridinyl, 1-azetidinyl, pyrrolidinyl, or piperidinyl; Z is selected from O, N, CH or CR; R, R2-R4 are H, alkyl, alkenyl, cycloalkyl, heterocycloalkyl, alkoxy, aryloxy, alkylthio, arylthio, amino, amido, ester, carboxylic acid, carbamate, urea, ketone, aldehyde, cyano, nitro, halo, (cycloalkyl)alkyl, or (heterocycloalkyl)alkyl; W, Q, G, J, L, M independently may be present or absent; W is CO, CS, C(:N-CN), or SO2; Q is CH, N, P, alkylidene, O, NR, S, or SO2; A is O, CH, alkylidene, NR, S, SO2, or a bond; E is CH, N, alkylidene, or a double bond; G is alkylidene; J is alkylidene, SO2, NH, NR, or O; L is CH, CR, O, S, or NR; M is O, NR, S, SO2, or alkylidene (with provisos)] which have HCV protease inhibitory activity as well as methods for preparing such compds. In another embodiment, the invention discloses pharmaceutical compns. comprising such compds. as well as methods of using them to treat disorders associated with the HCV protease. Thus, peptide II (Boc = tert-butoxycarbonyl) was prepared and showed Ki < 5 μM for inhibition of HCV serine protease.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

WRA

L15 ANSWER 6 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:340386 CAPLUS
DN 139:100906
TI Benzoylalanine-Derived Ketoamides Carrying Vinylbenzyl Amino Residues: Discovery of Potent Water-Soluble Calpain Inhibitors with Oral Bioavailability
AU Lubisch, Wilfried; Beckenbach, Edith; Bopp, Sabina; Hofmann, Hans-Peter; Kartal, Arzu; Kaestel, Claudia; Lindner, Tanja; Metz-Garrecht, Marion; Reeb, Jutta; Regner, Ferdinand; Vierling, Michael; Moeller, Achim
CS Neuroscience Discovery Research, Abbott GmbH & Co. KG, Ludwigshafen, D-67008, Germany

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SO Journal of Medicinal Chemistry (2003), 46(12), 2404-2412
CODEN: JMCMAR; ISSN: 0022-2623
PB American Chemical Society
DT Journal
LA English
OS CASREACT 139:100906
AB Novel benzoylalanine-derived ketoamides were prepared and evaluated for calpain I inhibition. Derivs. carrying vinylbenzyl amino residues in the P2-P3 region inhibited calpain in nanomolar concns. and thus represent a novel class of nonpeptidic calpain inhibitors. Selected examples exhibited an improved pharmacokinetic profile including improved water-solubility and metabolic stability. In particular, these calpain inhibitors showed oral bioavailability in rats as demonstrated by N-(1-benzyl-2-carbamoyl-2-oxoethyl)-2-[E-2-(4-diethylaminomethylphenyl)ethen-1-yl]benzamide. The closely related derivative N-(1-carbamoyl-1-oxohex-1-yl)-2-[E-2-(4-dimethylaminomethylphenyl)-ethen-1-yl]benzamide (I) was evaluated for neuroprotective efficacy after exptl. traumatic brain injury in a fluid percussion model in rats. When administered after injury, I reduced the number of damaged neurons by 41%, and this result would be in line with the suggested neuroprotective efficacy of calpain inhibition.
RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

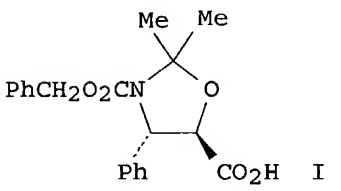
L15 ANSWER 7 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2003:270148 CAPLUS
DN 139:2799
TI Physiologically Relevant Metal Cofactor for Methionine Aminopeptidase-2 Is Manganese
AU Wang, Jieyi; Sheppard, George S.; Lou, Pingping; Kawai, Megumi; Park, Chang; Egan, David A.; Schneider, Andrew; Bouska, Jennifer; Lesniewski, Rick; Henkin, Jack
CS Cancer Research, Advanced Technology, Global Pharmaceutical R & D, Abbott Laboratories, Abbott Park, IL, 60064, USA
SO Biochemistry (2003), 42(17), 5035-5042
CODEN: BICHAW; ISSN: 0006-2960
PB American Chemical Society
DT Journal
LA English
OS CASREACT 139:2799
AB The identity of the physiol. metal cofactor for human methionine aminopeptidase-2 (MetAP2) has not been established. To examine this question, we first investigated the effect of eight divalent metal ions, including Ca2+, Co2+, Cu2+, Fe2+, Mg2+, Mn2+, Ni2+, and Zn2+, on recombinant human methionine aminopeptidase apoenzymes in releasing N-terminal methionine from three peptide substrates: MAS, MGAQFSKT, and 3H-MASK(biotin)G. The activity of MetAP2 on either MAS or MGAQFSKT was enhanced 15-25-fold by Co2+ or Mn2+ metal ions in a broad concentration range (1-1000 μM). In the presence of reduced glutathione to mimic the cellular environment, Co2+ and Mn2+ were also the best stimulators (.apprx.30-fold) for MetAP2 enzyme activity. To determine which metal ion is physiol. relevant, we then tested inhibition of intracellular MetAP2 with synthetic inhibitors selective for MetAP2 with different metal cofactors. A-310840 below 10 μM did not inhibit the activity of MetAP2-Mn2+ but was very potent against MetAP2 with other metal ions including Co2+, Fe2+, Ni2+, and Zn2+ in the in vitro enzyme assays. In contrast, A-311263 inhibited MetAP2 with Mn2+, as well as Co2+, Fe2+, Ni2+, and Zn2+. In cell culture assays, A-310840 did not inhibit intracellular MetAP2 enzyme activity and did not inhibit cell proliferation despite its ability to permeate and accumulate in cytosol, while A-311263 inhibited both intracellular MetAP2 and proliferation in a similar concentration range, indicating cellular MetAP2 is functioning as a manganese enzyme but not as

a cobalt, zinc, iron, or nickel enzyme. We conclude that MetAP2 is a manganese enzyme and that therapeutic MetAP2 inhibitors should inhibit MetAP2-Mn2+.

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:943551 CAPLUS
DN 138:402053
TI Improved large-scale synthesis of phenylisoserine and the taxol C-13 side chain
AU Voronkov, Michael V.; Gontcharov, Alexander V.; Wang, Zhi-Min
CS Lexicon Pharmaceuticals, East Windsor, NJ, 08520, USA
SO Tetrahedron Letters (2002), Volume Date 2003, 44(2), 407-409
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 138:402053
AB Dihydrodihydroxycinnamic acids and their esters react with acetonitrile or benzonitrile in the presence of sulfuric acid to afford the corresponding syn-β-amino-α-hydroxypropionic acid derivs. High yields and diastereoselectivity of this transformation allows preparation of various phenylisoserine derivs. on a practical scale.
RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:205594 CAPLUS
DN 137:33421
TI Synthesis of N-acetyl-3-phenylisoserinates of sesquiterpenoid alcohols of Lactarius origin
AU Barycki, Rafal; Gumulka, Maria; Masnyk, Marek; Daniewski, Wlodzimierz M.; Kobus, Miroslaw; Luczak, Miroslaw
CS Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, 01-224, Pol.
SO Collection of Czechoslovak Chemical Communications (2002), 67(1), 75-82
CODEN: CCCCAK; ISSN: 0010-0765
PB Institute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic
DT Journal
LA English
OS CASREACT 137:33421
GI



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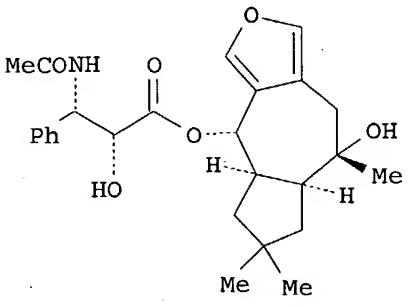

II

AB Important biol. properties of Taxol i.e. 13-N-benzoyl-(2R,3S)-3-phenylisoserinate of baccatin III and also N-benzoyl-(2R,3S)-3-

phenylisoserinates of several sesquiterpenoid alcs. of Lactarius origin prompted the synthesis of N-acetyl-3-phenylisoserinates of latter alcs. in order to check and compare their biol. properties. Suitably protected phenylisoserine I when reacted with sesquiterpenoid alcs. in the presence of DCC gave appropriate esters. These, after catalytic hydrogenation deprotection produced the corresponding aminols which were acetylated and gave the desired N-acetyl-3-phenylisoserinates, e.g. II.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:63093 CAPLUS
DN 136:355349
TI Synthesis and cytotoxic properties of N-boc-phenylisoserinates of sesquiterpenoic alcohols from mushrooms of Lactarius genus, as analogues of Taxotere
AU Sarosiek, A.; Masnyk, M.; Gumulka, M.; Daniewski, W. M.; Kobus, M.; Krawczyk, E.; Luczak, M.
CS Institute of Organic Chemistry, Polish Academy of Sciences, Warsaw, 01-224, Pol.
SO Polish Journal of Chemistry (2002), 76(1), 73-82
CODEN: PJCHDQ; ISSN: 0137-5083
PB Polish Chemical Society
DT Journal
LA English
OS CASREACT 136:355349
AB Sesquiterpenoic analogs of Taxotere, i.e., N-BOC-phenylisoserinates of sesquiterpenoic alcs., isolated from mushrooms of Lactarius genus, were synthesized. Cytotoxicity of the compds. thus obtained was evaluated using Vero cells.
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:11099 CAPLUS
DN 136:69597
TI Synthesis of hydrazide and α-alkoxyamide angiogenesis inhibitors
IN Craig, Richard A.; Kawai, Megumi; Lynch, Linda M.; Patel, Jyoti R.; Sheppard, George S.; Wang, Jieyi; Yang, Fan; Ba-Maung, Nwe
PA USA
SO U.S. Pat. Appl. Publ., 78 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002002152	A1	20020103	US 2001-833917	20010412
	US 2004167126	A1	20040826	US 2004-782502	20040219
PRAI	US 2000-197262P	P	20000414		
	US 2001-833917	A1	20010412		

OS MARPAT 136:69597
GI

10635342

from ethyl benzoylacetate
AU Wuts, P. G. M.; Gu, R. L.; Northuis, J. M.
CS Chemical Process Research and Development, Pharmacia and Upjohn Inc., Kalamazoo, MI, 49001, USA
SO Tetrahedron: Asymmetry (2000), 11(10), 2117-2123
CODEN: TASYE3; ISSN: 0957-4166
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 133:208002
AB Reduction of Et 2-chloro-3-phenyl-3-oxopropionate with borohydride affords predominately the syn-chlorohydrin. Resolution of this ester with the lipase MAP-10 gives (2S,3R)-2-chloro-3-hydroxypropionic acid which after esterification with MeOH/HCl is converted to the cis-epoxide with potassium carbonate and DMF. Aminolysis of the epoxide with aqueous ammonia results in ring opening and amide formation. The amide is converted to an ester upon treatment with iso-Bu alc. and HCl(g) at 100°C. Neutralization then affords the Taxol side chain as the free amine.
RE.CNT 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:723016 CAPLUS
DN 131:322917
TI Preparation of substituted beta-amino acid as inhibitors of methionine aminopeptidase-2 and angiogenesis
IN Craig, Richard A.; Henkin, Jack; Kawai, Megumi; Lynch, Linda Lijewski; Patel, Jyoti; Sheppard, George S.; Wang, Jieyi
PA Abbott Laboratories, USA
SO PCT Int. Appl., 153 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9957098	A2	19991111	WO 1999-US9641	19990430
	WO 9957098	A3	20000727		
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	CA 2329704	AA	19991111	CA 1999-2329704	19990430
	AU 9938778	A1	19991123	AU 1999-38778	19990430
	EP 1073633	A2	20010207	EP 1999-921611	19990430
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI, RO				
	US 6242494	B1	20010605	US 1999-303807	19990430
	BR 9910092	A	20020122	BR 1999-10092	19990430
	JP 2002513781	T2	20020514	JP 2000-547068	19990430
	NO 2000005506	A	20001229	NO 2000-5506	20001101
	BG 104981	A	20010731	BG 2000-104981	20001124
PRAI	US 1998-71714	A	19980501		
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	US 1998-83877P	P	19980501		
	WO 1999-US9641	W	19990430		

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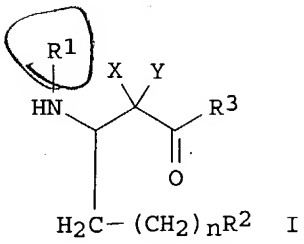

I

AB Substituted β-amino acids I [R1 = H, alkyl, carboxaldehyde, alkanoyl, substituted alkyl ester; R2 = alkyl, cycloalkyl, (cycloalkyl)alkyl, substituted alkylthio ester, aryl, arylalkyl, substituted alkyl thio; R3 = aminoacyl, substituted alkylamine, cycloalkyl, aryl, ester, amide, heterocycle, substituted amine, sulfonylamine; X = OH, sulfhydryl; Y = H; XY = O, S; n = 0-2] were prepared as potent inhibitors of methionine aminopeptidase-2 and are thus, useful in inhibiting angiogenesis and disease conditions which depend upon angiogenesis for their development such as diabetic retinopathy, tumor growth, and conditions of inflammation. Pharmaceutical compds. containing the compds. and methods of inhibiting methionine aminopeptidase-2, and angiogenesis are also disclosed. Thus, (2RS,3S,1'S)-N-((1-ethoxycarbonyl)ethyl)-3-amino-2-hydroxy-5-(methylthio)pentanamide hydrochloride was prepared and tested as methionine aminopeptidase-2 inhibitor (IC50 = 11 μM).